



Hicks Oils
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FORMULA 500

Synthetic Blend SM Motor Oils

Formula 500[®] API service SM synthetic blend motor oils are designed to meet the high performance requirements initiated in 2005 automotive lines. Formula 500[®] API SM synthetic blend motor oils use high quality synthetic and petroleum base stocks along with state of the art additive technology to create a high quality motor oil for use in gasoline powered engines. These API licensed motor oils provide protection against wear and deposits in the engine, while extending the life of emission control components. This premium synthetic blend of motor oil allows up to 5,000 miles between oil changes.

These oils carry the American Petroleum Institute SM approvals, and the 5W-20, 5W-30, and 10W-30 grade also carry the ILSAC GF-4 approval. The API donut and ILSAC starburst identify oils which have undergone the necessary testing to meet current automotive specification. In addition the API tests samples from the market place to verify compliance with current specifications. These oils also meet all older API gasoline specifications (SL, SJ, SH, etc...).

Always follow manufacturer's recommendations for service classification and viscosity grade.

Typical Properties:

Product: Formula 500 SM Synthetic Blend Motor Oils					
SAE Viscosity Grade	5W-20	5W-30	10W-30	10W-40	20W-50
API Classification, (ILSAC Classification)	SM (GF-4)	SM (GF-4)	SM (GF-4)	SM	SM
Product Code	41175	41176	41177	41178	41170
Kinematic Viscosity @ 100 °C cSt (ASTM D-445)	8.5	10.77	10.4	16	20.7
Kinematic Viscosity @ 40 °C cSt (ASTM D-445)	49.3	64.2	67.1	108.1	162.0
Viscosity Index (ASTM D-2270)	151	158	142	159	150
Total Base Number (ASTM D-2896)	8.1	8.1	8.3	8.4	8.4
Flash Point °C (°F) (ASTM D-92)	228(442)	202(396)	202(396)	202(396)	202(396)
Pour Point °C (°F) (ASTM D-97)	-39(-36)	-45(-49)	-39(-38)	-39(-38)	-39(-38)
API Gravity (ASTM D-1298)	32.6	32.5	31.2	31.2	30.0
Zn (ppm)	850	850	850	850	850
Ca (ppm)	2140	2140	2140	2140	2140
P (ppm)	770	770	770	770	770